APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
09/920,943	08/03/2001	Mark Lynch	P67024US0	5857

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EXAMINER
LIN, KELVIN Y

ART UNIT	PAPER NUMBER
2142	

DATE MAILED: 11/03/2004

Please find below and/or attached an Office communication concerning this application or proceeding.

	Application No.	Applicant(s)
Office Action Summary	09/920,943	LYNCH ET AL.
	Examiner	Art Unit	
	Kelvin Lin	2142	

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE _3_ MONTH(S) FROM
THE MAILING DATE OF THIS COMMUNICATION.
- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If the period for reply specified above is less than thirty (30) days, a reply within the statutory minimum of thirty (30) days will be considered timely.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

Status

1)☒ Responsive to communication(s) filed on _28 October 2004_.

2a)☐ This action is **FINAL**. 2b)☒ This action is non-final.

3)☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

Disposition of Claims

4)☒ Claim(s) _1-20_ is/are pending in the application.

    4a) Of the above claim(s) _____ is/are withdrawn from consideration.

5)☐ Claim(s) _____ is/are allowed.

6)☒ Claim(s) _1-20_ is/are rejected.

7)☐ Claim(s) _____ is/are objected to.

8)☐ Claim(s) _____ are subject to restriction and/or election requirement.

Application Papers

9)☐ The specification is objected to by the Examiner.

10)☒ The drawing(s) filed on _03 August 2001_ is/are: a)☒ accepted or b)☐ objected to by the Examiner.

    Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).

    Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).

11)☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

Priority under 35 U.S.C. § 119

12)☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).

    a)☐ All b)☐ Some * c)☐ None of:

      1.☐ Certified copies of the priority documents have been received.

      2.☐ Certified copies of the priority documents have been received in Application No. _____.

      3.☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).

    * See the attached detailed Office action for a list of the certified copies not received.

Attachment(s)

1) ☒ Notice of References Cited (PTO-892)

2) ☐ Notice of Draftsperson's Patent Drawing Review (PTO-948)

3) ☒ Information Disclosure Statement(s) (PTO-1449 or PTO/SB/08)
    Paper No(s)/Mail Date _08/05/2003_.

4) ☐ Interview Summary (PTO-413)
    Paper No(s)/Mail Date. _____ .

5) ☐ Notice of Informal Patent Application (PTO-152)

6) ☐ Other: _____.

Detailed Action

Claim Rejections - 35 USC § 102

1.   The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that

form the basis for the rejections under this section made in this Office action:

> A person shall be entitled to a patent unless –
>
> (e) the invention was described in (1) an application for patent, published under section 122(b), by another filed in the United States before the invention by the applicant for patent or (2) a patent granted on an application for patent by another filed in the United States before the invention by the applicant for patent, except that an international application filed under the treaty defined in section 351(a) shall have the effects for purposes of this subsection of an application filed in the United States only if the international application designated the United States and was published under Article 21(2) of such treaty in the English language.

2.   Claims 1-36 are rejected under 35 USC 102(e) as being anticipated by Kloba et

al.,(U.S. Patent 6779042).

3.   Regarding claim 1, Kloba teaches an e-business mobility platform comprising:

- a request handler interface (20) for interfacing with user devices

  (10), (Kloba, col.8, l.31).

- a content interface (22) for interfacing with content servers (11)

  (Kloba, col.6, l.65-67, col.8, l.66-67, col.9, l. 1, col. 12, l.29-30),

- means in the content interface (22) for retrieving content requested

  by a user device and for routing the content to the request handler

  interface for onward routing to the requesting user device (10)

  (Kloba, col.10, l.12-27, col.13, l.58-60),

  characterized in that, the platform further comprises:

- a transformation engine (23) comprising means for dynamically transforming the content to a suitable format for the user device by processing intention and task tags in the content (Kloba, col.21, l.20-30, col.23, l.16-22).

4.   Regarding claim 2, Kloba further discloses an e-business mobility platform as claimed in claim 1, wherein the intention tags include tags for linking related blocks of content, and the transformation engine comprises means for maintaining said relationships in the content delivered to a user device (Kloba, col. 27, l.63-67, col. 28, l. 53-59).

5.   Regarding claim 3, Kloba further discloses an e-business mobility platform as claimed in claim 1, wherein the task tags include tags for indicating information that is optional or alternative for a user device having different interfacing capabilities than other devices (Kloba, col.28, l.55-57).

6.   Regarding claim 4, Kloba further discloses an e-business mobility platform as claimed in claim 1, wherein the transformation engine comprises means (24) for converting the retrieved content to a document object model (DOM), and means (25) for transforming the DOM to a device format (Kloba, col.23, l.16-22).

7.   Regarding claim 5, Kloba further discloses an e-business mobility platform as claimed in claim 4, wherein the DOM is transformed by parsing tags indicating blocks of content and associating blocks with nodes of the DOM (Kloba, col. 28, l.23-47).

8.   Regarding claim 6, Kloba further discloses an e-business mobility platform as claimed in claim 4 wherein the transformation engine comprises means for combining content by combining DOMs generated from different incoming content streams (Kloba, col.14, l.46-55, "... to maintain the integrity of the information provided for each object...")

9.   Regarding claim 7, Kloba further discloses an e-business mobility platform as claimed in claim 4, wherein the transformation engine (23) comprises means (26) for applying user preferences to the device-format content (Kloba, col.17, l. 31, col. 21, l.15).

10.   Regarding claim 8, Kloba further discloses an e-business mobility platform as claimed in claim 7, wherein said preferences are applied by dynamically retrieving preference data from a user database and modifying the content accordingly (Kloba, col. 34, l.5-47).

11.   Regarding claim 9, Kloba further discloses an e-business mobility platform as claimed in claim 1, wherein the transformation engine (23) comprises means for dynamically activating providers in series for a session, said providers being for performing a transformation-related function (Kloba, col.16, l.14, col.21, l.54-57).

12.   Regarding claim 10, Kloba further discloses an e-business mobility platform as claimed in claim 9, wherein at least one provider comprises means for caching reusable intermediate data captured from a stream of content being transformed, and at least one other provider comprises means for using cached data (Kloba, col.17, l.38-41).

13.   Regarding claim 11, Kloba further discloses an e-business mobility platform as claimed in claim 10, wherein a provider comprises means for caching user preference data (Kloba, col. 20, l.39-43).

14.   Regarding claim 12, Kloba further discloses an e-business mobility platform as claimed in claim 1, wherein the platform comprises a database system (47) and all functions of the platform comprises means for accessing said database system via accessors (45) each dedicated to a data type (Kloba, col. 10, l.55-59, col.11, l.37-65).

15.   Regarding claim 13, Kloba further discloses an e-business mobility platform as claimed in claim 12, wherein the data types include user, group, and device data types (Kloba, col. 13, l. 3-7, col.27, l.53-63).

16.   Regarding claim 14, Kloba further discloses an e-business mobility platform as claimed in claim 1, wherein the platform comprises a messaging system comprising means for controlling communication within the platform by passing objects representing events between functions (Kloba, col. 10, l.12-24).

17.   Regarding claim 15, Kloba further discloses an e-business mobility platform as claimed in claim 1, wherein the user device interface (20) comprises means for causing a session manager (51) to generate a session object upon receipt of a user device request, and said session object comprises means for controlling full execution of the session until delivery of the requested content even if the user device changes (Kloba, col. 4, l.58-62, col. 5, l.41-52, col. 20, l.24-39).

18.   Regarding claim 16, Kloba further discloses an e-business mobility platform as

claimed in claim 15, wherein the session manager (51) comprises means for maintaining a list of sessions for each user and for caching the associated content (Kloba, col.7, l.61-65, col.13, l.56-63).

19.   Regarding claim 17, Kloba further discloses an e-business mobility platform as claimed in claim 15, wherein the device interface (20) comprises a device detection function (52) for detecting device attributes, and the session manager (51) comprises means for using said attributes to create a session object (Kloba, col. 24, l.18).

20.   Regarding claim 18, Kloba further discloses an e-business mobility platform as claimed in claim 17, wherein the device detection function (52) comprises means for accessing a hierarchical device database to retrieve device attributes (Kloba, col. 23, l.42-43).

21.   Regarding claim 19, Kloba further discloses an e-business mobility platform Comprising:

- a request handler interface (20) for interfacing with user devices (10), a content interface (22) for interfacing with content servers (11), means in the content interface (22) for retrieving content requested by a user device and for routing the content to the request handler interface for onward routing to the requesting user device (10) (Kloba, col. 10, l. 16-21), characterized in that,

- the platform further comprises a transformation engine (23)

comprising means for dynamically transforming the content to a
suitable format for the user device by processing intention and task
tags in the content (Kloba, col. 14, l. 46-55),

- the intention tags include tags for linking related blocks of content,
and the transformation engine comprises means for maintaining
said relationships in the content delivered to a user device (Kloba,
col.22, l.4-9, col.28, l.55-59),

- the task tags include tags for indicating information that is optional
or alternative for a user device having different interfacing
capabilities than other devices (Kloba, col. 28, l.3-11, l.39-41), and

- the user device interface (20) comprises means for causing a
session manager (51) to generate a session object upon receipt of
a user device request, and said session object comprises means for
controlling full execution of the session until delivery of the
requested content even if the user device changes (Kloba, col. 36,
l.37-45).

22.   Regarding claim 20, Kloba further discloses a computer program product
comprising software code for completing a platform as claimed in any preceding
claim when executing on a digital computer (Kloba, col. 13, l.46-50).

Conclusion

The prior art made of record and not relied upon is considered pertinent to application's disclosure.

- Hoffberg et al., (Patent No. 6400996) Adaptive Pattern Recognition Based Control System and Method

- Silvian S. (Patent No. 6400990) Patent Activated Telemetry Control Unit Using Bidirectional Asymmetric Dual-Mode Telemetry Link to Commercial with An Implanted Device.

- Kloba et al., (PG Pub. 2002/0052916) System, Method and Computer Program Product for Customizing Channels, Content, and Data for Mobile Devices.

- IEEE – Kubitz et al., "Client-server-based mobile robot control", IEEE/ASME Transaction on Vol. 3, Issue 2, June 1998, pp. 82-90

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Kelvin Lin whose telephone number is 571-272-3898. The examiner can normally be reached on Flexible 4/9/5.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Jack Harvey can be reached on 571-272-3896. The fax phone number for the organization where this application or proceeding is assigned is 703-872-9306.

Information regarding the status of an application may be obtained from the

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you have questions on access to the Private PAIR system, contact the Electronic

Business Center (EBC) at 866-217-9197 (toll-free).

10/28/04

JACK B. HARVEY
SUPERVISORY PATENT EXAMINER